

Title (en)

AROMATIC AMINE DERIVATIVE, AND ORGANIC ELECTROLUMINESCENT ELEMENT COMPRISING SAME

Title (de)

AROMATISCHES AMINDERIVAT UND ORGANISCHES ELEKTROLUMINESZENZELEMENT DAMIT

Title (fr)

DÉRIVÉ D'AMINE AROMATIQUE ET ÉLÉMENT ÉLECTROLUMINESCENT ORGANIQUE À BASE DE CE DÉRIVÉ

Publication

EP 2589596 A4 20131204 (EN)

Application

EP 11800439 A 20110629

Priority

- US 92300810 A 20100827
- JP 2010150091 A 20100630
- JP 2011003721 W 20110629

Abstract (en)

[origin: US2012001154A1] An aromatic amine derivative represented by the following formula (1), wherein at least one of Ar1 to Ar3 is represented by the following formula (2), wherein X1 to X3 are independently a nitrogen atom or CR2, provided that two of X1 to X3 are a nitrogen atom and X1 and X3 are not simultaneously a nitrogen atom.

IPC 8 full level

C07D 239/26 (2006.01); **C09K 11/06** (2006.01); **H01L 51/50** (2006.01)

CPC (source: EP KR US)

C07D 209/82 (2013.01 - EP KR US); **C07D 235/08** (2013.01 - EP KR US); **C07D 487/14** (2013.01 - EP KR US); **C09K 11/06** (2013.01 - EP US); **H05B 33/14** (2013.01 - EP US); **H10K 85/631** (2023.02 - KR); **H10K 85/636** (2023.02 - EP KR US); **H10K 85/654** (2023.02 - KR); **C09K 2211/1007** (2013.01 - EP KR US); **C09K 2211/1011** (2013.01 - EP KR US); **C09K 2211/1014** (2013.01 - EP KR US); **C09K 2211/1025** (2013.01 - EP KR US); **C09K 2211/1029** (2013.01 - EP KR US); **C09K 2211/1088** (2013.01 - EP US); **C09K 2211/1092** (2013.01 - EP US); **H10K 85/654** (2023.02 - EP US)

Citation (search report)

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- See references of WO 2012001969A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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